



# ARBORICULTURAL METHOD STATEMENT

to BS 5837:2012 at:

***Main Street,  
Great Houghton,  
Barnsley  
S72 0AZ***

This document describes how the trees will be protected and managed during the development of this site. It explains how and when the protection measures must be installed and maintained throughout the development.

A copy of this document report must be permanently available on site for the duration of all development activity and should be referenced for practical guidance on how to protect the retained trees at this site.

Prepared for:  
***Avant Homes Yorkshire***

Date: February 2024

Reference: *AWA5841AMS*

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## 1. Introduction

### 1.1 Instruction

- 1.1.1 We were instructed to prepare an arboricultural method statement for the proposed development at: Main Street, Great Houghton, Barnsley S72 0AZ.

### 1.2 Purpose

- 1.2.1 This method statement has been prepared in order to demonstrate that the development operations at this site can be undertaken with minimal risk of adverse impact on the trees to be retained.
- 1.2.2 This method statement conforms to BS 5837:2012 *Trees in relation to design, demolition and construction - Recommendations*. It is based on the arboricultural data, collected at a site visit during May 2023, detailed within Appendix 3 of this report.

### 1.3 Description of Development

- 1.3.1 It is proposed to demolish the existing building and build a new residential development with associated access, parking, landscaping and facilities. The proposed development layout has been provided by my client and is the basis for the Tree Protection Plan at Appendix 4.

### 1.4 Details of Consent

- 1.4.1 Planning consent is subject to this method statement being agreed upon in advance by the Local Planning Authority. The contents of this report must be adhered to, before, during, and after the construction phase.
- 1.4.2 As such, no equipment, machinery or materials shall be brought onto the site in connection with the development until this arboricultural method statement detailing tree management and tree protection measures has been submitted to and approved by the Local Planning Authority.

## 1.5 Legal

- 1.1.1 The following advice is for guidance purposes only. An online search was undertaken with Barnsley Metropolitan Council on 04/10/23 to check whether any trees at the site are protected by a Tree Preservation Order or are located within a Conservation Area. As of this date no trees at the site are protected by a Tree Preservation Order or are within a Conservation Area.
- 1.1.2 Due to the large potential penalties for illegally carrying out work to protected trees, before authorising any tree works a further check should be made with the Local Planning Authority to confirm if any trees are covered by a Tree Preservation Order or are within a Conservation Area. If either applies, then statutory permission is required before any works can take place (unless such work is approved as part of full planning permission).
- 1.5.1 The Multi-Agency Geographical Information for the Countryside (MAGIC) website was used to search for areas of ancient woodlands listed on the Ancient Woodland (DEFRA 2021), and a check for catalogued Ancient and Veteran trees using the woodland trust ancient tree inventory (Woodland Trust 2021).
- 1.5.2 It was confirmed that there are no designated ancient woodlands or veteran trees within the survey area.
- 1.5.3 Trees provide a wide range of habitats for many species, some of which are legally protected such as bats, nesting birds, badgers and dormice. It is essential that appropriate care is taken to ensure that this legislation is not contravened.
- 1.5.4 When appointing a tree surgeon, only properly qualified and experienced companies should be used, who have adequate Public Liability and Employer's Liability Insurance.
- 1.5.5 All tree work should be carried out according to British Standard 3998:2010 Tree Work - Recommendations.

## 2. Method Statement Timeline

### 2.1 Overview of Sequence of Operations

2.1.1 In overview, it is necessary to undertake the following sequence of operations in relation to arboricultural input for development operations.

- 1 Method statement approved by the LPA
- 2 Undertake tree works
- 3 Install tree protection measures
- 4 Pre commencement meeting/ confirm fencing is as specified
- 5 Construct new development
- 6 Remove tree protection fencing

### 2.2 Specific Sequence of Operations

2.2.1 The following timeline table informs the key principles for development operations proceeding in relation to arboricultural requirements conditioned as part of this method statement.

2.2.2 The actions and timescales within this table must be adhered to in order to discharge the arboricultural method statement planning condition for this site.

2.2.3 The precise timing and order of some of the development operations may need to be changed due to site specific operational requirements, yet any operations that may affect the trees on the site must be done so under arboricultural supervision by a suitably qualified person appointed by the contractor.

<b>Sequence of Operations</b>		
<b>Stages</b>	<b>Action</b>	<b>Arboricultural Input</b>
<b>1 Approval</b>	This AMS is submitted to and approved in writing by the LPA.	If necessary, liaise with contractor and LPA to discuss methodologies detailed.
<b>2 Tree Works</b>	Tree removals shall be carried out as the first operation on site, in accordance with Appendix 3 and as detailed in section 3.1.	Review the tree work requirements with the tree contractor. If necessary, liaise with the contractor on site during tree works.
<b>3 Tree Protection</b>	Installation of the tree protection measures will take place as shown at Appendix 4, prior to any storage of plant, materials and machinery.	If necessary, liaise with the contractor installing the tree protection measures until completed to the standard specified in this method statement.
<b>4 Site Meeting</b>	Following installation of tree protection measures, the LPA shall be invited to inspect the fencing, and discuss any other site operations that have implications for trees.	Meeting with a representative of the LPA and the site manager. Alternatively, contractor can confirm the protection measures, and tree works are as specified by taking photographs.
<b>5 Construction</b>	Undertake the construction of the new development.	If necessary, liaise with the local authority and the site foreman to ensure any issues are adequately resolved.
<b>6 Site Finishing</b>	Removal of tree protection fencing must only be undertaken when all site traffic and machinery has left the site.	If acceptable to the LPA, the contractor can take photographs of the site to give to the LPA to gain approval for the removal of the tree protection fencing.

## 3. Tree Management

### 3.1 Tree Works

- 3.1.1 G1 to T7 and T14: remove these to facilitate the development, (detailed in red on the protection plan).
- 3.1.2 G11: remove 3 sections of this boundary hedge to facilitate the development of driveways and access routes, (detailed in red on the protection plan).
- 3.1.3 All tree work must be carried out according to British Standard 3998:2010 Tree Work - Recommendations.
- 3.1.4 When appointing a tree surgeon, only properly qualified and experienced companies should be used, who have adequate Public Liability and Employer's Liability Insurance.

## 4. Tree Protection

### 4.1 Tree Protection Fencing

- 4.1.1 The tree protection fencing for this site should be located as shown on the Tree Protection Plan at Appendix 5 (as illustrated with a thick orange line).
- 4.1.2 The tree protection fencing will be appropriate to the degree and proximity of likely construction works. In this instance, due to the ground conditions and the low value of the hedges to be protected an adequate level of protection could be provided by secured heras fencing or plastic mesh fencing (see Figures at Appendix 1 for examples).
- 4.1.3 The precise fencing location may need to be slightly adjusted on site due to local site conditions but is not expected to differ from that shown on the Tree Protection Plan. The final fencing position must be agreed on by the LPA before the commencement of any site works.
- 4.1.4 The tree protection fencing details should be incorporated into relevant subsequent plans, method statements used for design purposes and construction drawings issued for use on site, to ensure that all interested

parties are fully aware of the areas in which access and works may and may not take place.

- 4.1.5 The tree protection fencing should be inspected for faults or damage by the site manager or other responsible named person on a regular basis and a written record kept. Any faults or defects should be repaired or replaced as soon as is reasonably practicable. The Tree Protection Fencing shall not be removed, breached or altered without prior written authorisation from the local planning authority and under arboricultural supervision by a suitable named responsible individual appointed by the site manager.

## **4.2 Drainage and Utilities**

- 4.2.1 New drainage and underground utilities are to be positioned outside of the RPAs of retained trees, and above ground utilities will be routed away from areas where they are likely to interfere with the retained trees' crowns.
- 4.2.2 NJUG 10: Guidelines for the Planning, Installation and Maintenance of Utility Services in Proximity to Trees should be considered when installing services.

## **4.3 Additional Precautions**

- 4.3.1 Allowance should be made for operations outside of the CEZ that could indirectly impact on trees. Including space for site huts, temporary toilet facilities (including their drainage) and other temporary structures; and space for storing (whether temporary or long-term) materials.
- 4.3.2 Care must be taken to prevent contamination with chemical spillages, including petrol, diesel and oils. Cement mixers and any other toxic materials should not be permitted within the RPA of the trees. Any materials whose accidental spillage would cause damage to a tree should be stored and handled well away from the outer edge of its RPA.
- 4.3.3 Fires on the site should be avoided if possible. Where they are unavoidable, and approved by the Local environmental health authority, they should not be lit in a position where heat could affect foliage or branches. The potential size of a fire and the wind direction

should be considered when determining its location, and it should be attended always until safe enough to leave.

#### **4.4 Post Construction Landscaping**

- 4.4.1 Some form of landscaping or seeding may be planned within the vicinity of retained hedges after the development phase. At this stage the protective fencing will have been removed and the property may be occupied.
- 4.4.2 Landscaping works should be carried out in such a way as to avoid ground level changes or deep digging. Tractor mounted rotovation or other mechanised cultivation methods must not be used.
- 4.4.3 No heavy machinery should be brought into the vicinity of retained hedges.
- 4.4.4 Herbicides should be appropriate for the purpose and should not be used in such a way as to damage any retained hedges or vegetation.

## 5. Signature

I trust this report provides all the required information.

Signed



.....  
**Adam Winson**  
*Chartered Arboriculturist, MSc, BSc (Hons), MICFor, AIEEM*

**19<sup>th</sup> February 2024**

**AWA Tree Consultants Limited**  
**Union Forge**  
**27 Mowbray Street**  
**Sheffield**  
**S3 8EN**

[www.awatrees.com](http://www.awatrees.com)

## Appendix 1: Images and Figures



Figure 1: Plastic mesh fencing secured with heavy duty metal stakes



Figure 2: Secured 'Heras' type fencing with stabilizing system and anti-tamper couplers

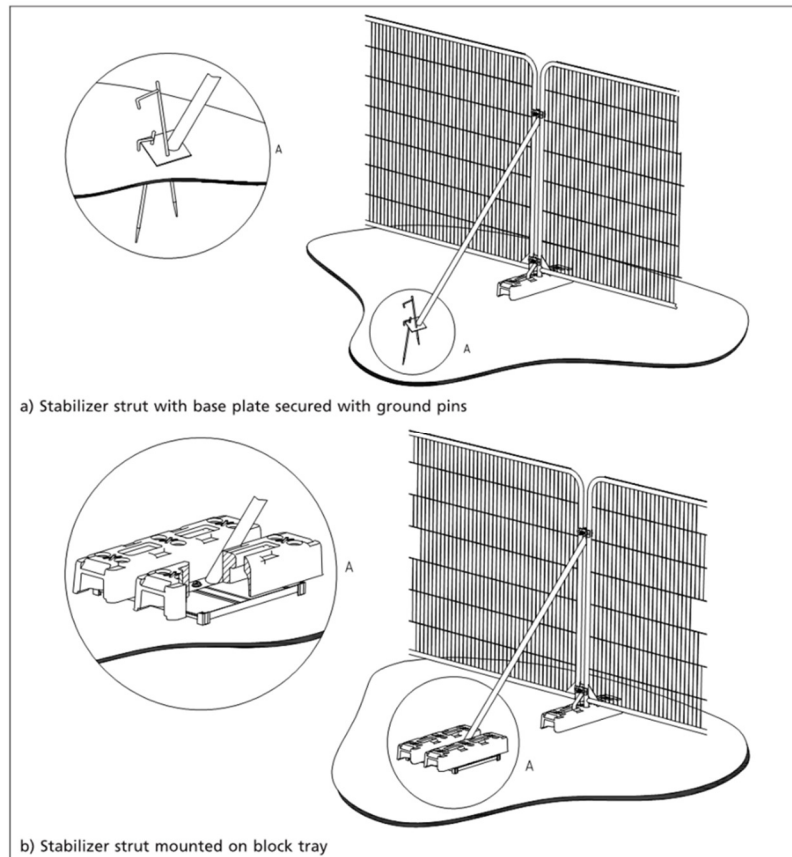


Figure 3: Secured 'Heras' type fencing with stabilizing system and anti-tamper couplers



Figure 4: Anti-tamper couplers to secure fencing and avoid unauthorised access



Figure 5: Warning sign for fencing



Figure 6: Example of A3 correx tree protection warning sign fixed to fencing panel

## Appendix 2: Relevant Contact Details

Contact Name	Organisation/ Details	Contact Number	Contact E-mail
Zoe Edwards	Avant Homes Yorkshire	<u>01924 92 8747</u>	zoe.edwards@avanthomes.co.uk
Adam Winson	AWA Tree Consultants Ltd	0114 272 1124	adam@awatrees.com
Tree Officer	Barnsley Tree Officer Development Management	01226 772557	edwardjowett@barnsley.gov.uk

Tree ID	Tree Species		Maturity	Measurements				Crown (m)				Tree Condition				Value		Management				
	Common Name	Latin Name		Height (m)	Stems	Stem Diameter (mm)	Estimated	Crown height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
G1	Leyland Cypress	<i>Cupressus x leylandii</i>	Semi-mature	7	10	100	Yes	0.5	See plans				Boundary group of leylandii approx 5 m wide, trimmed on road side, extending 1 m beyond fence. Dense undergrowth prevented detailed inspection				Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate the development
T2	Sycamore	<i>Acer pseudoplatanus</i>	Mature	15	6	350	Yes	1	7.5	6.5	6.5	7	Exposed roots. Girdled roots	Multiple stemmed. at base. Old pruning wounds. Stubs. Tight union. Partially included bark. Cup-like union collecting dirt/water. Minor cavities	Minor deadwood	Overhanging road and pavement to northwest. Large union with included bark at base holding water.	Good	Fair	>40 yrs	Moderate	B	Removal required to facilitate the development
G3	Cherry	<i>Prunus avium</i>	Semi-mature	14	10	200	Yes	1	See plans				Boundary group of mostly Cherry and Beech, with occasional Sycamore and Willow and some smaller Hawthorn. Good screening between site and road/houses. Overhanging adjacent footpath. Dense undergrowth prevented detailed inspection				Fair	Fair	20 to 40 yrs	Moderate	C	Removal required to facilitate the development
T4	Willow	<i>Salix sp.</i>	Semi-mature	10	1	250	No	0.5	5	4	3	4	Limited access around base	Single stemmed. Vertical. Stubs. Minor cavities	Minor deadwood. Minor dieback	Undergrowth prevented detailed inspection of base and stem. Overhangs pavement to northwest	Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate the development
G5	Hawthorn, Elder, Blackthorn	<i>Crataegus monogyna, Sambucus nigra, Prunus spinosa</i>	Semi-mature	3.5	10	80	Yes	0	See plans				Managed boundary hedge. Mostly Hawthorn, occasional Elder and Blackthorn. Road to west.				Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate the development

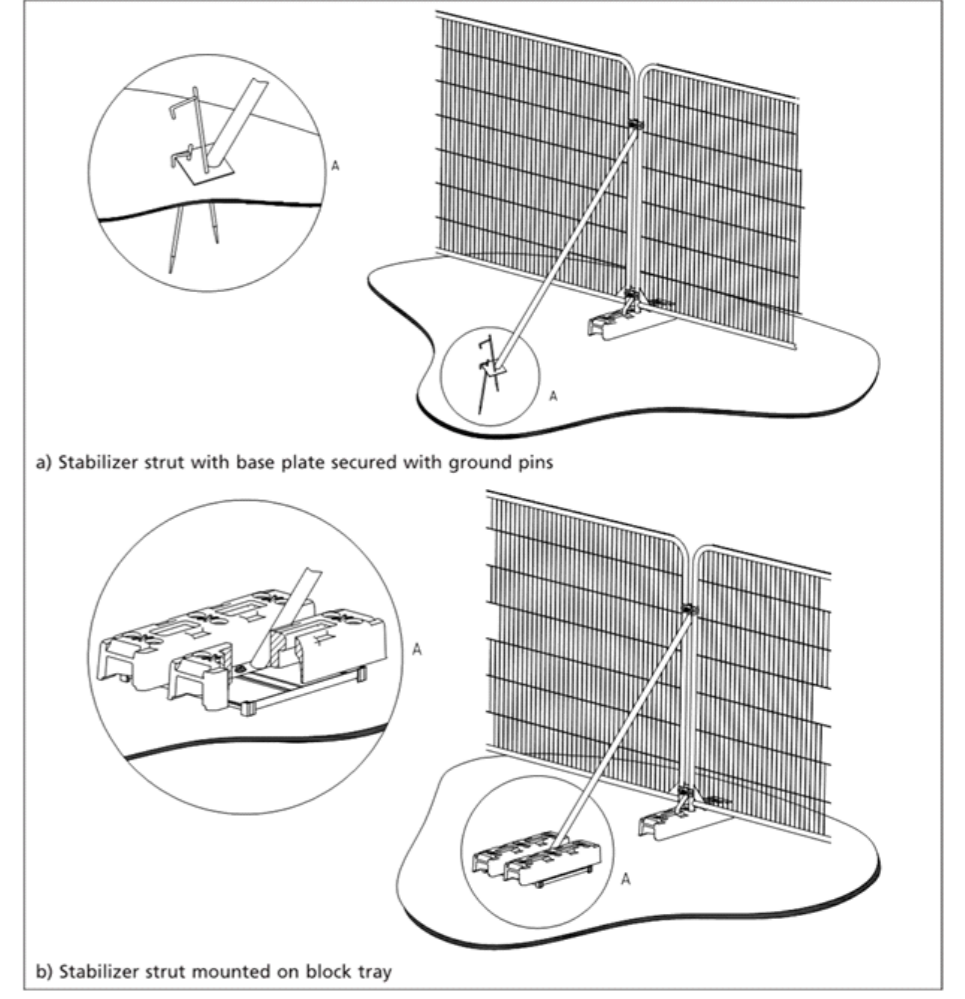
Tree ID	Tree Species		Maturity	Measurements				Crown (m)				Tree Condition				Value		Management				
	Common Name	Latin Name		Height (m)	Stems	Stem Diameter (mm)	Estimated	Crown height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
T6	Cypress	<i>Cupressus sp.</i>	Young	7	1	100	Yes	1	1.5	1.5	1.5	1.5	Limited access around base	Single stemmed. Vertical	Normal	Single Cypress growing within hedge. Visibility largely obscured by hedge and undergrowth. Plotted approximately	Good	Fair	20 to 40 yrs	Low	C	Removal required to facilitate the development
T7	Willow	<i>Salix sp.</i>	Semi-mature	7	1	300	No	1	4	4	4	4	Limited access around base	Single stemmed. Vertical	Minor deadwood. Minor dieback	Undergrowth prevented detailed inspection of base and stem. Overhangs pavement to northwest	Fair	Fair	20 to 40 yrs	Low	C	Removal required to facilitate the development
G8	Hawthorn, Elder, Blackthorn	<i>Crataegus monogyna, Sambucus nigra, Prunus spinosa</i>	Semi-mature	3.5	10	80	Yes	0	See plans				Managed boundary hedge. Mostly Hawthorn, occasional Elder and Blackthorn.				Fair	Fair	20 to 40 yrs	Low	C	No works required
G9	Hawthorn, Elder, Blackthorn	<i>Crataegus monogyna, Sambucus nigra, Prunus spinosa</i>	Semi-mature	3.5	10	80	Yes	0	See plans				Managed boundary hedge. Mostly Hawthorn, occasional Elder and Blackthorn.				Fair	Fair	20 to 40 yrs	Low	C	No works required
G10	Hawthorn, Elder, Blackthorn	<i>Crataegus monogyna, Sambucus nigra, Prunus spinosa</i>	Semi-mature	7	10	100	Yes	0	See plans				Unmanaged boundary hedge. Mostly Hawthorn, occasional Elder and Blackthorn. On raised banking				Fair	Fair	20 to 40 yrs	Low	C	No works required
G11	Hawthorn, Elder, Blackthorn	<i>Crataegus monogyna, Sambucus nigra, Prunus spinosa</i>	Semi-mature	1.8	10	80	Yes	0	See plans				Managed boundary hedge between two fields. Mostly Hawthorn, occasional Elder and Blackthorn. Recently trimmed.				Fair	Fair	20 to 40 yrs	Low	C	Partial removal required to facilitate the development: Remove 3 sections of hedge to enable creation of access roads

Tree ID	Tree Species		Maturity	Measurements				Crown (m)				Tree Condition				Value		Management				
	Common Name	Latin Name		Height (m)	Stems	Stem Diameter (mm)	Estimated	Crown height	N	E	S	W	Roots	Stem	Crown	Comments	Physiological	Structural	Life Expectancy	Amenity	Category	Works
G12	Hawthorn, Elder, Blackthorn	<i>Crataegus monogyna</i> , <i>Sambucus nigra</i> , <i>Prunus spinosa</i>	Semi-mature	2.5	10	80	Yes	0	See plans				Managed boundary hedge. Mostly Hawthorn, occasional Elder and Blackthorn. Recently trimmed.				Fair	Fair	20 to 40 yrs	Low	C	No works required
G13	Hawthorn, Elder, Blackthorn	<i>Crataegus monogyna</i> , <i>Sambucus nigra</i> , <i>Prunus spinosa</i>	Semi-mature	2	10	80	Yes	0	See plans				Managed boundary hedge. Mostly Hawthorn, occasional Elder and Blackthorn. Recently trimmed.				Fair	Fair	20 to 40 yrs	Low	C	No works required
T14	Cherry	<i>Prunus avium</i>	Semi-mature	14	1	240	No	1.5	3.5	3.5	3	2.5	Ground level changes. Root damage/ loss. Trenching/ excavations. Soil compaction	Single stemmed. Vertical. Bark damage. Minor decay	Normal	Soil and bricks piled around base. Recent ground level changes. Elder growing immediate to south and stone wall immediately beyond that. Western crown in contact with farm building.	Good	Good	20 to 40 yrs	Moderate	C	Removal required to facilitate the development
T15	Beech	<i>Fagus sylvatica</i>	Semi-mature	16	1	300	No	1	5	3.5	2.5	3	Limited access around base	Single stemmed. Vertical	Minor deadwood	Larger Beech within group. Overhanging gateway and road/pavement. Growing into lampost to northwest	Good	Good	>40 yrs	Moderate	C	Removal required to facilitate the development

Warning sign for fencing



Heras tree protection fencing



Heras tree protection fencing



Plastic mesh tree protection fencing



Appendix 4:  
Tree Protection Plan

Main Street, Great Houghton, Barnsley S72 0AZ  
Ref AWA5841AMS

BRITISH STANDARD 5837:2012

SCALE: 1:500

PAPER: A1

	TREE/ TREE GROUP/ HEDGE TO BE RETAINED
	TREE/ TREE GROUP/ HEDGE TO BE REMOVED
	RPA: ROOT PROTECTION AREA
	TREE STEM
	TREE PROTECTION FENCING